| MECHANICAL SIZING AND FAN POWER | | | | | | MECH-4 | |
|--|---------------------|---|----------------------|--------------|-------|--------------|---------------|
| PROJECT NAME | | | | | | DAT | E |
| CVCTEM NAME | | | | | | F1 00 | |
| SYSTEM NAME | | | | | | FLOOR AREA | |
| NOTE: Provide one copy of this form for each | ch mechanical syste | em when us | sing the Prescriptiv | ve Approach. | | | |
| SIZING and EQUIPMENT SELECT | ION | | | | | | |
| 1. DESIGN CONDITIONS: | | | | | | COOLING | HEATING |
| - OUTDOOR, DRY BULB TEMPERATURE (APPENDIX C) | | | | | | | |
| - OUTDOOR, WET BULB TEMPERATURE (APPEND | | | | | | | |
| - INDOOR, DRY BULB TEMPERA | TURE | (1993 ASHRAE handbook, See Chap. 8, Fig. 5) | | | | | |
| 2. SIZING | - | i | | | | <u> </u> | - |
| - DESIGN OUTDOOR AIR | | | | | | | |
| - ENVELOPE LOAD | | | | | | | |
| - LIGHTING | | | | | | | |
| - PEOPLE | | | | | | | |
| - MISCELLANEOUS EQUIPMENT | | | (D. 11.) | | | | |
| - OTHER | | | (Describe) | | | | |
| - OTHER | | | (Describe) | | | | |
| - OTHER | | | (Describe) | | | | |
| | | | | т | OTALS | | |
| OTHER LOADS/SAFETY FACTOR (enter 1.21 for cooling and 1.43 heating) | | | | | | | |
| MAXIMUM ADJUSTED LOAD (TOTALS FROM ABOVE X OTHER LOAD/SAFETY FACTOR) | | | | | | | |
| 3. SELECTION: | | | | | , | | |
| INSTALLED EQUIPMENT CAPACITY | | | | | | | |
| IF INSTALLED CAPACITY EXCEEDS MAXIMUM | | | | | | Kbtu / Hr | Kbtu / Hr |
| ADJUSTED LOAD, EXPLAIN | MUNINYAIN GUT: | | | | | | |
| FAN POWER CONSUMPTION | | | | | | | |
| A A | В | С | D | E | Гі | F | G |
| | DESIGN | | FICIENCY | NUMBER | | WATTS | CFM |
| FAN DESCRIPTION | BRAKE HP | MOTOF | R DRIVE | OF FANS | BxEx7 | 46 / (C x D) | (Supply Fans) |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | [| |
| NOTE: Include only fan systems exceeding | 25 HP (see § 144 |). | | TOTALS | | | |
| Total Fan System Power Demand may not Watts/CFM for constant volume systems or | exceed 0.8 | | | | тот | AL FAN SYST | ЕМ |
| VAV systems. | | | | | _ | POWER DEMA | ND Col. F / |
| | | _ | | | | WATTS / C | FM Col. G |